

Sub B1  
1. (Once Amended) A computer system for automatic synchronization of scripting variables between a page including action tags and a tag library, the computer system comprising:

a pageContext object for the page, the pageContext object including a mapping of scripting variables to values; and  
a TagExtraInfo object for each action tag, the TagExtraInfo object including a method that returns a list of available scripting variables and a variable type associated with each variable.

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3. (Once Amended) The mechanism of Claim 2, wherein the pageContext object is created when the page is executed.

4. (Once Amended) The mechanism of Claim 3, wherein the TagExtraInfo object comprises:

a valid Java™ object name for each variable;  
a Java™ type for each variable; and  
a scope parameter that specifies a variable's scope relative to the page.

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6. (Once Amended) The mechanism of Claim 1, wherein the page is a JavaServer™ Page.

7. (Once Amended) A method for automatically synchronizing scripting variables between a page including one or more action tags and a tag library, the method comprising:

creating for each action tag a TagExtraInfo object that contains a list of available scripting variables and a variable type associated with each variable;  
translating the page by referring to the list of scripting variables in the TagExtraInfo object associated with each action tag in the page;  
executing the page; and  
creating for the page at execution, a pageContext object that contains a mapping of scripting variables to values.

8. (Once Amended) The method of Claim 7, wherein the TagExtraInfo object comprises:

Sub B<sup>2</sup>  
a valid Java™ object name for each variable;  
a Java™ type for each variable; and  
a scope parameter that specifies a variable's scope relative to the page.

Sub B<sup>3</sup>  
10. (Once Amended) The method of Claim 1, wherein the page is a JavaServer™ Page.

Sub B<sup>4</sup>  
13. (New) A computer readable media including computer program code for automatically synchronizing scripting variables between a page including one or more action tags and a tag library, the method comprising:

computer program code for creating for each action tag a TagExtraInfo object that contains a list of available scripting variables and a variable type associated with each variable;

computer program code for translating the page by referring to the list of scripting variables in the TagExtraInfo object associated with each action tag in the page;

computer program code for executing the page; and

computer program code for creating for the page at execution a pageContext object that contains a mapping of scripting variables to values.

14. (New) A computer readable medium as recited in claim 13, wherein the TagExtraInfo object comprises:

a valid Java™ object name for each variable;

a Java™ type for each variable; and

a scope parameter that specifies a variable's scope relative to the page.

15. (New) A computer readable medium as recited in claim 13, wherein the tag library does not know which scripting language is used to create the page.

16. (New) A computer readable medium as recited in claim 13, wherein the page is a Javasever™ Page.